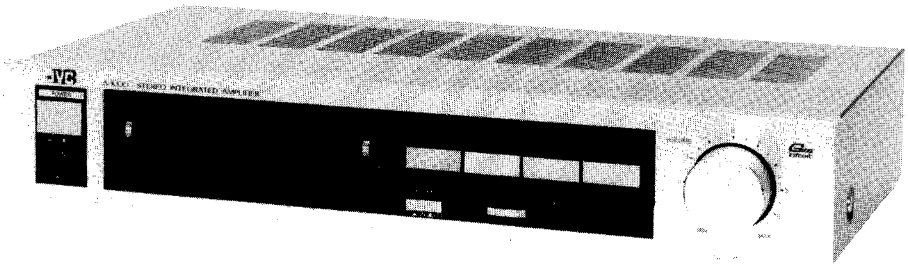
JVC

SERVICE MANUAL

MODEL A-K100/A-K100B

Model	Color Version
A-K100	Silver
A-K100B	Black



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This manual combines two single volumes; Service manual and Parts list.

No. 2736
Jan. 1984

Safety Precautions

1. The design of this product contains special hardware, many circuits and components specially for safety purposes.
   For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
2. Alterations of the design or circuitry of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
3. Many electrical and mechanical parts in the product have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. Electrical components having such features are identified by shading on the schematics and by (⚠) on the parts list in Service manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list in Service manual may create shock, fire, or other hazards.
4. The leads in the products are routed and dressed with ties, clamps, tubings, barriers and/or the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard.
   When service is required, the original lead routing and dress should be observed, and they should be confirmed to be returned to normal, after reassembling.
5. Leakage current check
   (Safety for electrical shock hazard)
   After reassembling the product, always perform an isolation check on the exposed metal parts of the Products (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.
   Do not use a line isolation transformer during this check.
   - Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5 mA AC (r.m.s.).
   - Alternate check method.
     Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having 1,000 ohms per volt or more sensitivity in the following manner. Connect a 1500Ω 10W resistor paralleled by a 0.15 μF AC-type capacitor between an exposed metal part and a known good earth ground.
     Measure the AC voltage across the resistor with the AC voltmeter.
     Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.).
     This corresponds to 0.5 mA AC (r.m.s.).

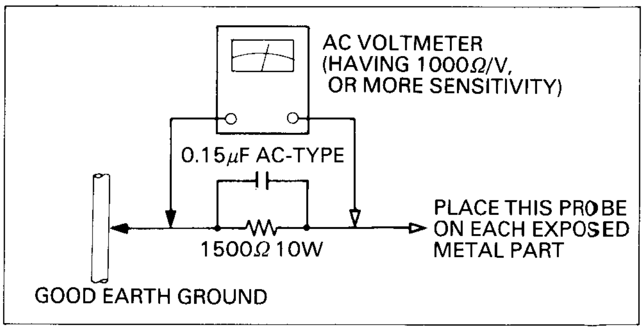


Fig. 1

Service Precautions

1. Before repairing, be sure to discharge electric capacitors across a resistor of about 100 ohms/1 watt.
2. When replacing the power transformer, pay attention to the following points.
   (1) When removing the power transformer retaining screws, take care not to damage the parts located around the transformer (as space is limited).
   (2) When removing the fuse P. C. Board, do not apply the soldering iron to the P. C. Board for too long a time (to prevent pattern peeling off).
   (3) Before removing the source selector knob, remove the metal cover. Set the source selector to off position and press it from the inside to remove it (to prevent damage).

1. Specifications

Output Power	: **25 watts per channel, min. RMS, both channels driven, into 8 ohms from 40 Hz to 20 kHz, with no more than 0.5% total harmonic distortion**
	: 27 watts per channel, min. RMS, both channels driven into 8 ohms at 1 kHz with no more than 0.7% total harmonic distortion
	: 23 watts per channel, min. RMS, both channels driven into 8 ohms at 1 kHz with no more than 0.08% total harmonic distortion
Total Harmonic Distortion	: 0.5% at Rated output, from 40 Hz to 20 kHz, 8 ohms
Power Band Width	: 10 Hz – 30 kHz ('66 IHF both channels driven, 8 ohms, 0.5% THD)
Frequency Response	: 10 Hz – 30 kHz +1 dB, −3 dB (8 ohms)
Tone Controls	
BASS	: 100 Hz ±8 dB
TREBLE	: 10 kHz ±8 dB
Input Sensitivity/ Impedance	
PHONO	: 2.5 mV/47 kohms
TUNER, VIDEO/AUX, TAPE	: 160 mV/40 kohms
Phono Equalizer Deviation	: ±1.0 dB (40 Hz – 15 kHz)
Phono Overload	: 100 mV (1 kHz)
Signal to Noise Ratio	
PHONO	: 70 dB ('66 IHF)
TUNER VIDEO/AUX, TAPE	: 95 dB ('66 IHF)
Loudness Control (Volume Control at −30 dB position)	: +5 dB at 100 Hz,
Dimensions (mm/inch)	: 435(W) x 77(H) x 248(D) mm (17-1/8" x 3" x 9-3/4")
Weight (kg/lbs.)	: 3.7 kg (8.2 lbs.)

Power Specifications

Areas	Line Voltage & Frequency	Power Consumption
U.S.A. & Canada	AC 120V∿, 60 Hz	100 watts, 130 VA
Continental Europe	AC 220V∿, 50 Hz	75 watts
U.K. & Australia	AC 240V∿, 50 Hz	75 watts
Other Countries	AC 110/120/220/240V∿ selectable, 50/60 Hz	75 watts

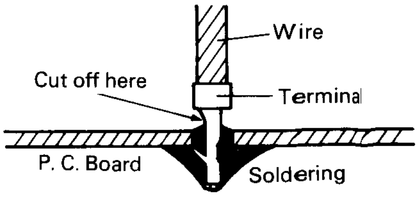
Design and specifications subject to change without notice.

2. Servicing Method For AWG # 20 Wires With Clamping Terminals

(1) Application objective ⇨ Confirmation of safety
Used to prevent breakage/disconnection troubles of primary and secondary wires within P. C. Boards (or between P. C. Boards). Even when wire breakage/disconnection has actually occurred, a safe air-gap distance between the primary wire and the secondary wire/possibly contacting metal surface can be maintained because the terminal retains the wire sheathing.

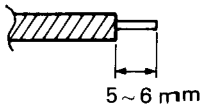
(2) Type of wire used
① 1015 AWG- # 20 (single-coated)
② 1672 AWG- # 20 (double-coated)

(3) Servicing precautions
① The structural design of this terminal causes its catch to hook onto the P. C. Board, preventing the wire from being easily pulled out. As shown in the figure, use cutting pliers or a similar tool to cut off the ends of the terminal and wire; then remove the remaining terminal clip by melting the soldering.

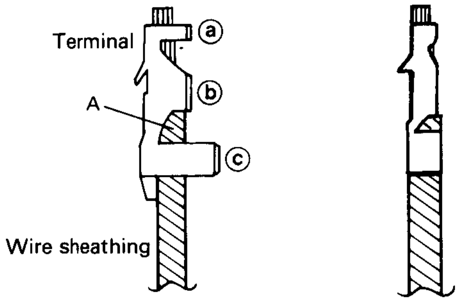


② Prior to soldering the wire onto the P. C. Board, confirm safety by pressure-fitting the terminal to the wire by observing the following procedures.

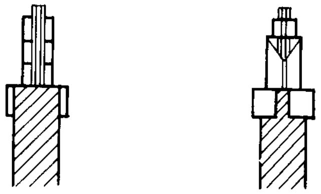
1. Strip off the wire 5 ~ 6 mm from its end.



2. Insert the wire until its sheathing contacts section "A" of the terminal and pressure-fit the terminal clamp at three sections of ⓐ, ⓑ, and ⓒ (section ⓒ is especially important to assure safety. Exercise particular care to achieve secure clamping).


Terminal
ⓐ
ⓑ
A
ⓒ
Wire sheathing

③ Part No., and name
Parts No. : 5298T
Name : CRIMP PIN



3. Removal Procedures

3-(1) Metal cover section
1. Remove 5 screws securing the metal cover (2 for side panels and 3 for rear panel).
2. Pull out the metal cover backwards.

3-(2) Front panel section
1. Pull out the plastic rivet bushes by pressing it from the inside (Fig. 2).
2. Remove 3 screws from the bottom plate.

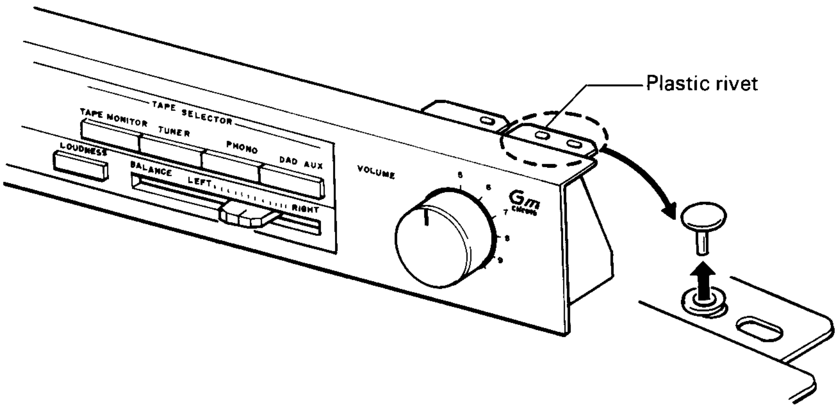

TAPE SELECTOR
TAPE MONITOR
TUNER
PHONO
DAD AUX
LOUDNESS
BALANCE
LEFT
RIGHT
VOLUME
Plastic rivet

Fig. 2

3-(3) LED Holder section
1. Pull out the bass and treble knobs.
2. Moving the claw of the LED Holder to the center as shown in the figure below, pull out the LED holder (Fig. 3).

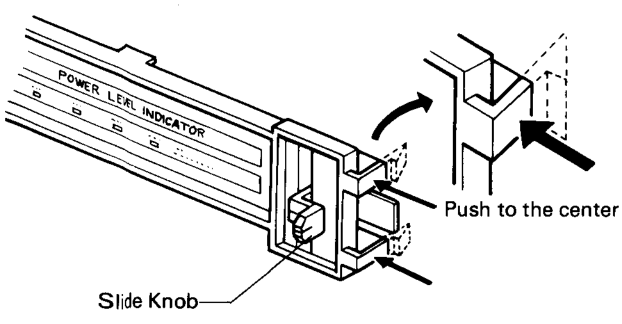

POWER LEVEL INDICATOR
Push to the center
Slide Knob

Fig. 3

3-(4) Level Indicator P. C. Board section
1. Remove the LED Holder (refer to 3-(3)).
2. Remove 4 screws from the LED Holder inside (Fig. 4).

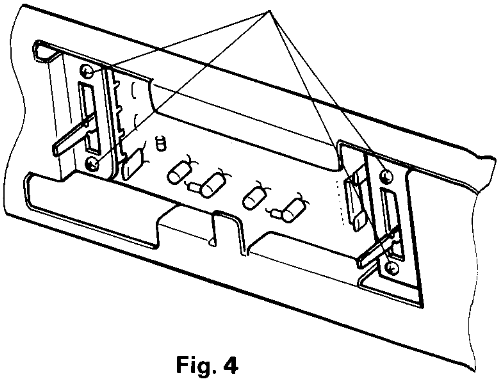
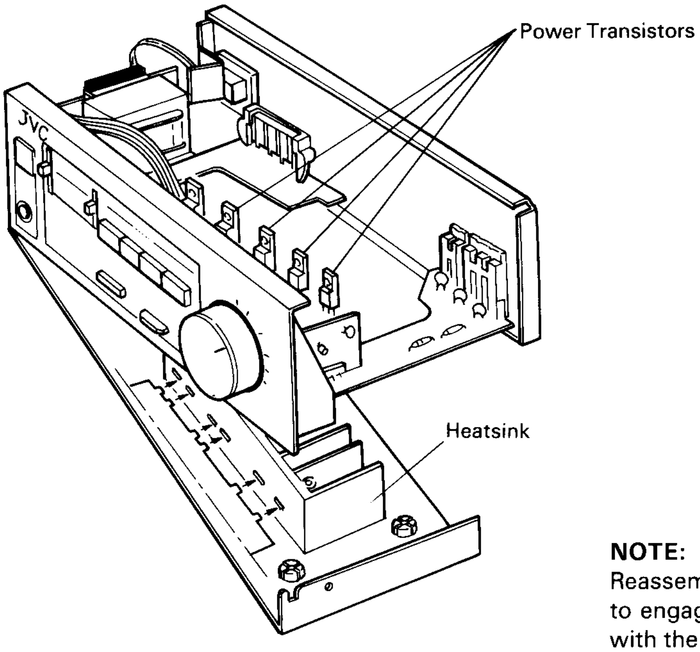


Fig. 4

3-(5) Power transistor replacement

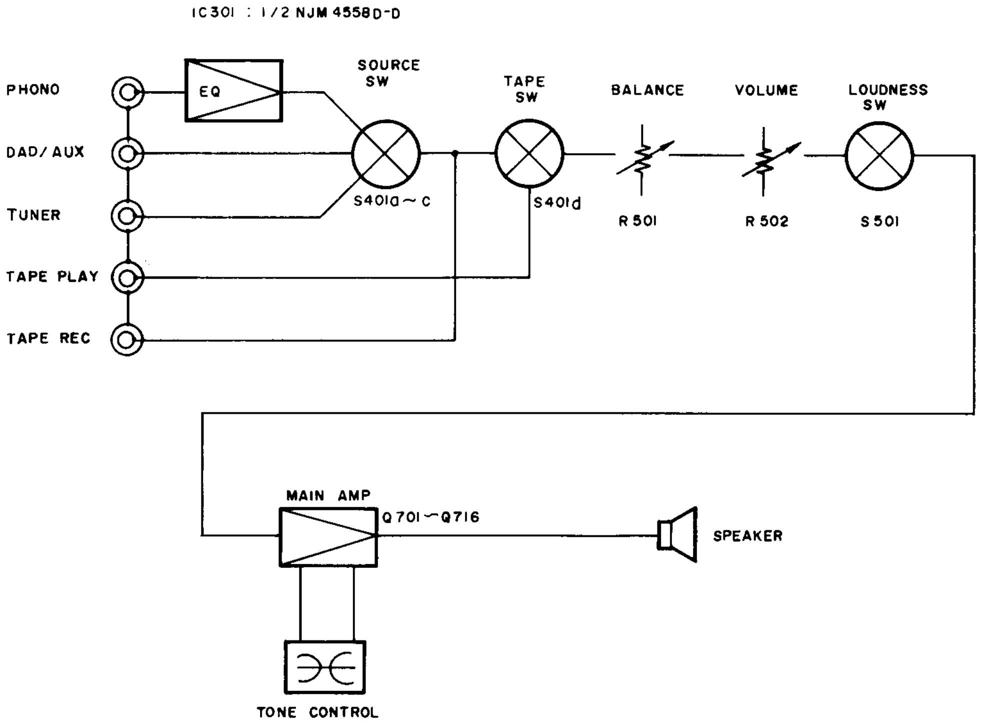
1. Remove the metal cover (refer to 3-(1)).
2. Remove 2 screws from the main P. C. Board.
3. Remove the AC outlet (remove 2 screws from the rear panel).
4. Remove 4 screws from the leaf spring located on the heatsink and remove the heatsink.
5. Remove 11 screws from the bottom plate (6 for front side and 5 for rear side).



NOTE:
Reassemble in the reverse order to removal. Do not forget to engage the protruded portions of the main P. C. Board with the grooves in the heatsink.

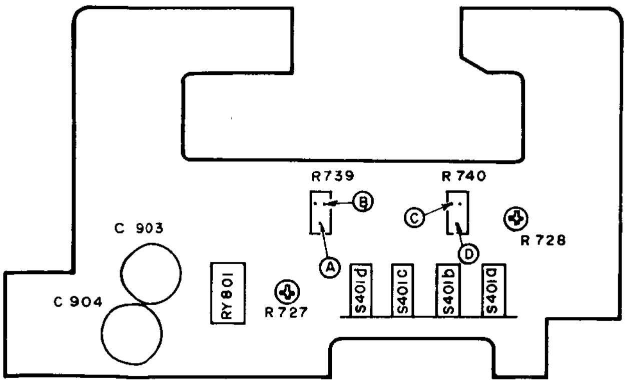
Fig. 5

4. Block Diagram


IC301 : 1/2 NJM 4558D-D
PHONO
DAD/AUX
TUNER
TAPE PLAY
TAPE REC
EQ
SOURCE SW
S401a~c
TAPE SW
S401d
BALANCE
R501
VOLUME
R502
LOUDNESS SW
S501
MAIN AMP
Q701~Q716
SPEAKER
TONE CONTROL

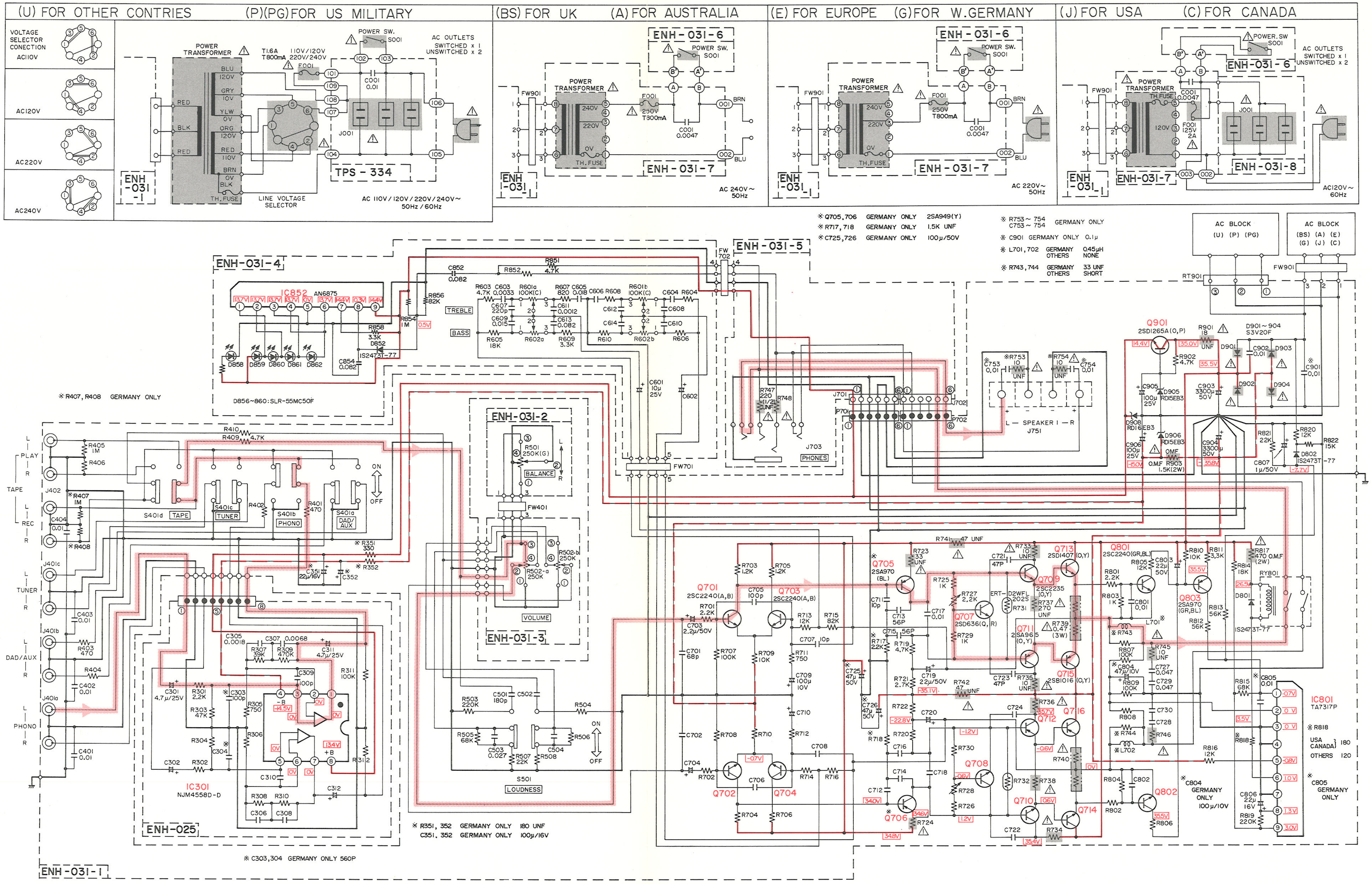
5. Power Amplifier Idling Current Adjustment Procedures

Adjustment Location on ENH-031-1 Main Amp. P.C. Board Ass'y


R739
R740
Ⓑ
Ⓒ
Ⓐ
Ⓓ
C 903
C 904
RY801
R727
R728
S401d
S401c
S401b
S401a

1. Before turing on the power, turn the semi-fixed resistors < R727 for L channel and R728 for R channel > of the power amplifier circuit board fully counterclockwise.
2. Adjust the semi-fixed resistors (R727) and (R728) so that the voltage at the following test points of the power amplifier circuit board is within a range of 1 mV ~ 3 mV after the power is turned on.
   L channel: Measure the voltage between test point Ⓑ (emitter of Q713 and output at the test point Ⓐ).
   R channel: Measure the voltage between test point Ⓓ (emitter of Q714 and output at the test point Ⓓ).
3. Readjust resistors R727 and R728 about 5 minutes after the power is turned on (the heatsink temperature must be sufficiently high) so that the voltage at the test points becomes 10 mV.
   Confirm that the voltage does not vary when the heatsink temperature increases further.

6. A-K100 Schematic Diagram


(U) FOR OTHER CONTRIES
(P)(PG) FOR US MILITARY
(BS) FOR UK
(A) FOR AUSTRALIA
(E) FOR EUROPE
(G) FOR W.GERMANY
(J) FOR USA
(C) FOR CANADA
VOLTAGE SELECTOR CONECTION
AC110V
AC120V
AC220V
AC240V
POWER TRANSFORMER
POWER SW. S001
AC OUTLETS SWITCHED x 1 UNSWITCHED x 2
TPS-334
LINE VOLTAGE SELECTOR
AC 110V/120V/220V/240V~ 50Hz/60Hz
ENH-031-1
ENH-031-2
ENH-031-3
ENH-031-4
ENH-031-5
ENH-031-6
ENH-031-7
ENH-031-8
ENH-025
AC 240V~ 50Hz
AC 220V~ 50Hz
AC120V~ 60Hz
AC BLOCK (U) (P) (PG)
AC BLOCK (BS) (A) (E) (G) (J) (C)
IC852 AN6875
D856~860: SLR-55MC50F
TREBLE
BASS
BALANCE
VOLUME
LOUDNESS
S501
PLAY
TAPE
REC
TUNER
DAD/AUX
PHONO
S401a TAPE
S401b PHONO
S401c TUNER
S401d DAD/AUX
IC301 NJM4558D-D
Q701 2SC2240(A,B)
Q702
Q703 2SC2240(A,B)
Q704
Q705 2SA970 (BL)
Q706
Q707 2SD636(Q,R)
Q708
Q709 2SC2235 (O,Y)
Q710
Q711 2SA965 (O,Y)
Q712
Q713 2SB1407 (O,Y)
Q714
Q715 2SB1016 (O,Y)
Q716
Q801 2SC2240(GR,BL)
Q802
Q803 2SA970 (GR,BL)
Q901 2SD1265A(O,P)
D901~904 S3V20F
IC801 TA7317P
RY801
SPEAKER L — R J751
PHONES J703
※Q705,706 GERMANY ONLY 2SA949(Y)
※R717,718 GERMANY ONLY 1.5K UNF
※C725,726 GERMANY ONLY 100μ/50V
※R753~754 C753~754 GERMANY ONLY
※C901 GERMANY ONLY 0.1μ
※L701,702 GERMANY 0.45μH OTHERS NONE
※R743,744 GERMANY 33 UNF OTHERS SHORT
※R407, R408 GERMANY ONLY
※R351, 352 GERMANY ONLY 180 UNF
C351, 352 GERMANY ONLY 100μ/16V
※C303,304 GERMANY ONLY 560P
※R818 USA CANADA 180 OTHERS 120
※C805 GERMANY ONLY
※C804 GERMANY ONLY 100μ/10V

Notes:

1. ——— indicates positive B power supply.
2. - - - - indicates negative B power supply.
3. ▨ indicates signal path.
4. When replacing the parts in the darkned area (▨) and those marked with ⚠, be sure to use the designated parts to ensure safety.
5. This is the standard circuit diagram. The design and contents are subject to change without notice.

PARTS LIST

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   3-(2) ENH-025 Mojulie P.C.Board Ass'y 2-11
4. Packing Materials and Part Numbers 2-12
5. Accessories List 2-13

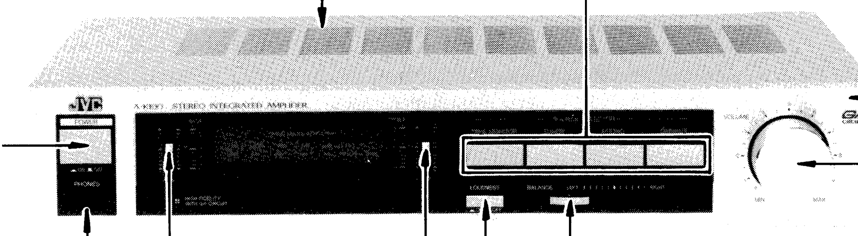
1. Main Parts Locations

Front View

Metal Cover
E24661-005 (Silver)
E24661-006 (Black)

Push Knob
E71175-001 (Silver)
E71175-002 (Black)

Front Panel Ass'y
EFP-AK100E (Silver)
EFP-AK100BE (Black)



Push Knob
VXP3108-001 (Silver)
VXP3108-002 (Black)

Knob
E70143-002 (Silver)
E70143-007 (Black)

7P HP Jack
QMS 6312-020

Slide Knob
E71132-003 (Silver)
E71132-004 (Black)

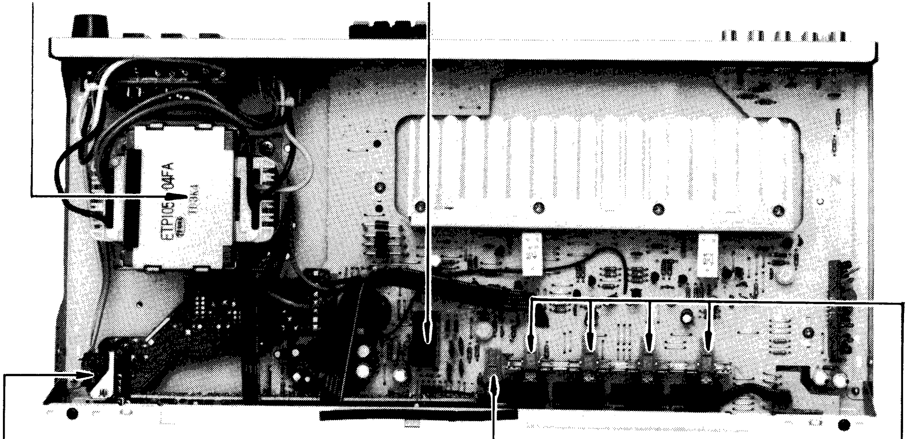
Push Knob
E71133-001 (Silver)
E71133-002 (Black)

Slide Knob
E71136-001 (Silver)
E71136-002 (Black)

Top View

⚠ Power Transformer
See page 2-5

Relay
ESK5D24-216



⚠ Power Switch
QSP1106-004

Push Switch
QST9101-E01

Push Switch
QST 94A2-E

Rear View

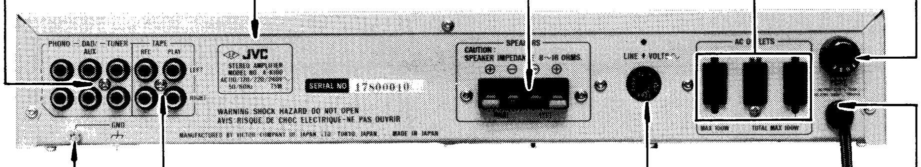
6P Pin Jack
EMN00TV-602A

Rear Panel
See page 2-5

Speaker Terminal
EMB90YV-401A

⚠ AC Outlet
See page 2-6

⚠ Fuse Holder
QMG 0301-003



GND Terminal
E61367-001

4P Pin Jack
EMN00TV-402

⚠ Voltage Selector
See page 2-6

⚠ Power Cord
See page 2-5

⚠ Cord Stopper
See page 2-5

⚠ : Safety Parts

2. Exploded View and Part Numbers List

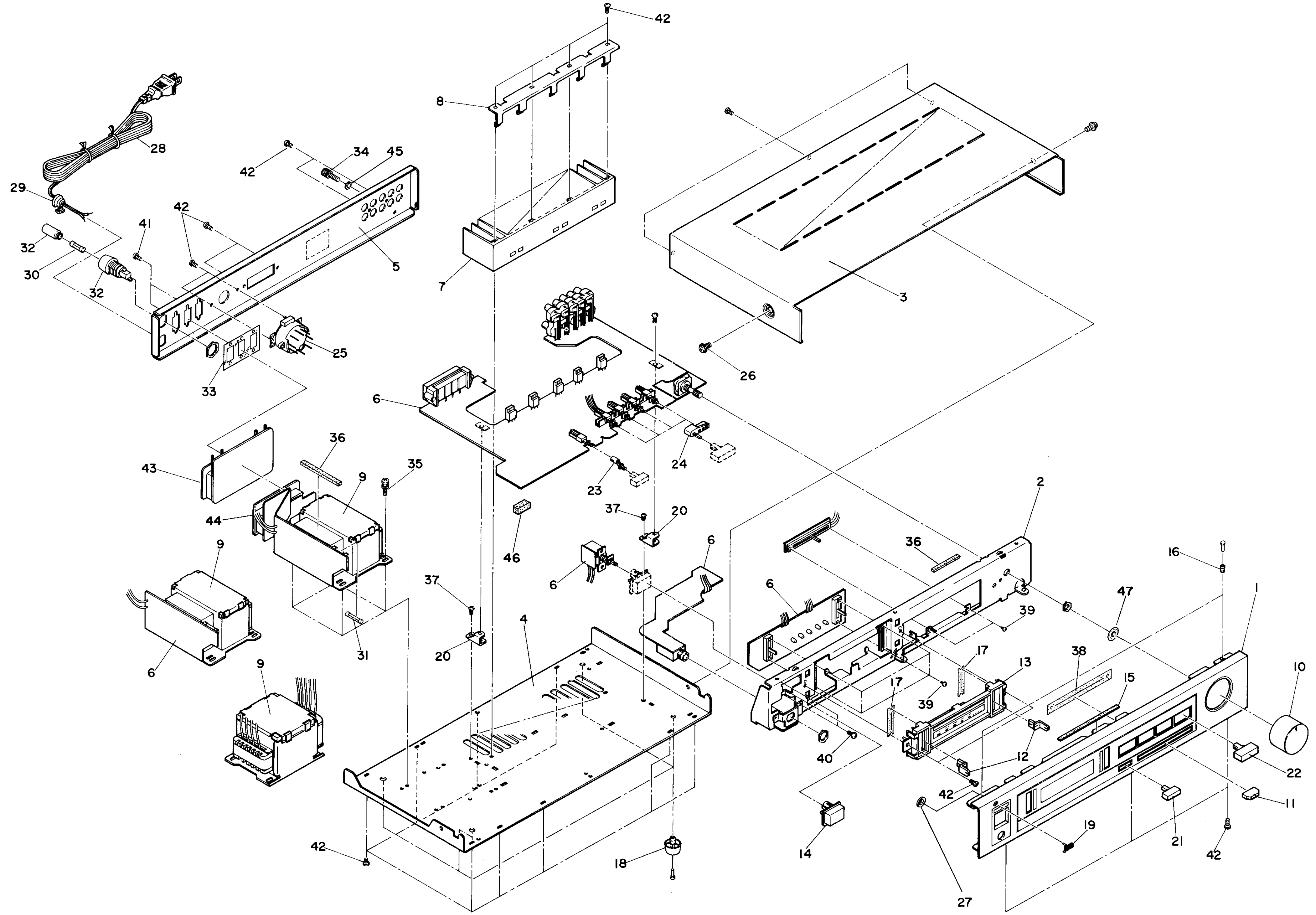

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Fig. 1

No.	Part Number	Part Name	Q'ty	Description	Area
1	EFP-AK100E	Front Panel Ass'y	1	(S), E24679-001	
	EFP-AK100E	Front Panel Ass'y	1	(B), E24679-005	
2	E24681-001	Front Bracket	1		
3	E24661-005	Metal Cover	1	(S)	
	E24661-006	Metal Cover	1	(B)	
4	E24658-003	Chassis Base	1		
5	E24677-002	Rear Panel	1	(S)	J, C
	E24677-003	Rear Panel	1	(S)	U, P, PG
	E24677-021	Rear Panel	1	(S)	E, A, G, BS
	E24677-005	Rear Panel	1	(S)	ES
	E24677-012	Rear Panel	1	(B)	J, C
	E24677-013	Rear Panel	1	(B)	U, P, PG
	E24677-024	Rear Panel	1	(B)	E, A, G, BS
	E24677-015	Rear Panel	1	(B)	ES
6	ENH-031B	Circuit Board Unit	1		J, C
	ENH-031C	Circuit Board Unit	1		U, P, PG
	ENH-031D	Circuit Board Unit	1		E,
	ENH-031E	Circuit Board Unit	1		A
	ENH-031G	Circuit Board Unit	1		G
	ENH-031FBS	Circuit Board Unit	1		BS
7	E303262-001	Heatsink	1		
8	E303361-001	Leaf Spring	1		
9 ⚠	ETP1050-04JA	Power Transformer	1		J, C
⚠	ETP1050-04FA	Power Transformer	1		U, P, PG
⚠	ETP1050-04EA	Power Transformer	1		E, A, G, ES
⚠	ETP1050-04EABS	Power Transformer	1		BS
10	E70143-002	Knob	1	(S), Volume	
	E70143-007	Knob	1	(B), Volume	
11	E71136-001	Balance Slide Knob	1	(S)	
	E71136-002	Balance Slide Knob	1	(B)	
12	E71132-003	Tone Slide Knob	2	(S)	
	E71132-004	Tone Slide Knob	2	(B)	
13	E303271-003SA	LED Holder Ass'y	1	(S)	
	E303271-004SA	LED Holder Ass'y	1	(B)	
14	VXP3108-001	Power Push Knob	1	(S), Switch	
	VXP3108-002	Power Push Knob	1	(B), Switch	
15	EX0100005N20S	Felt Spacer	1	Front Panel	
16	E48729-009	Plastic Rivet	2	Front Panel	
17	E71254-001	Felt Spacer	2	Tone	
18	E301258-002	Foot	4		
19	E70913-002	JVC Mark	1	(S)	
	E70913-001	JVC Mark	1	(B)	
20	E71227-001	Bracket	2		
21	E71133-001	Speaker Push Knob	1	(S), Loudness	
	E71133-002	Speaker Push Knob	1	(B), Loudness	
22	E71175-001	Push Knob	4	(S), Source	
	E71175-002	Pusk Knob	4	(B), Source	
23	E71235-001	Push Shaft	1	Loudness	
24	E71231-001	Push Shaft	4	Source	
25 ⚠	QRS0085-001U	Voltage Selector	1		U, P, PG
26	E61660-001	Special Screw	2	(S), Cover Side	
	E61660-004	Special Screw	2	(B), Cover Side	
27	E60912-003	Speed Nut	1		
28 ⚠	QMP1200-200	Power Cord	1		J, C
⚠	QMP7600-250	Power Cord	1		U, P, PG
⚠	QMP3900-200	Power Cord	1		E, G, ES
⚠	QMP2560-244	Power Cord	1		A
⚠	QMP9017-008BS	Power Cord	1		BS
29 ⚠	QHS3876-162	Cord Stopper	1		J, C, U, P, PG, E, A, G, ES
⚠	QHS3876-162BS	Cord Stopper	1		BS

⚠: Safety Parts

No.	Part Number	Part Name	Q'ty	Description	Area
30 ⚠	QMF51A2-1R6L	Fuse	1		P
⚠	QMF51A2-R80L	Fuse	1		U, PG
31 ⚠	QMF51A2-R80L	Fuse	1		A, E, ES, G
⚠	QMF51A2-R80LBS	Fuse	1		BS
⚠	QMF51U1-2R0	Fuse	1		J, C
32 ⚠	QMG0301-003	Fuse Holder	1		U, P, PG
33	E69589-001	Spacer	1	AC Outlets	J
34	E61367-001	GND Terminal	1		
35	E65389-002	Assy Screw	4	Transformer	
36	EX0050007N40S	Spacer	2	Transformer	
37	E65119-001	Special Screw	2	Bracket	
38	E71552-001	Felt Spacer	1	Balance	
39	E70053-001	Screw	6	Tone, Balance	
40	E65119-001	Special Screw	2	Power SW	
41	SDSB3008N	Tapping Screw	2	AC Outlets	J, C, U, P, PG
42	SBSB3008N	Tapping Screw	60		
43	TPS-334A	Circuit Board Assy	1		U, P, PG
44	QMC0637-004	AC Outlet	1		J, C
45	WNS 3000N	Washer	1		
46	E0015010R80S	Spacer	1		
47	E69559-006	Spacer	1		

⚠: Safety Parts

(S) and (B) in the Description column indicate silver and black versions.

The Marks for Designated Areas.

J..............	U.S.A.
C..............	Canada
E..............	Europe
G..............	West Germany
A..............	Australia
P, PG........	U.S.Military Market
ES............	Spain
BS............	U.K.
U..............	Other Countries

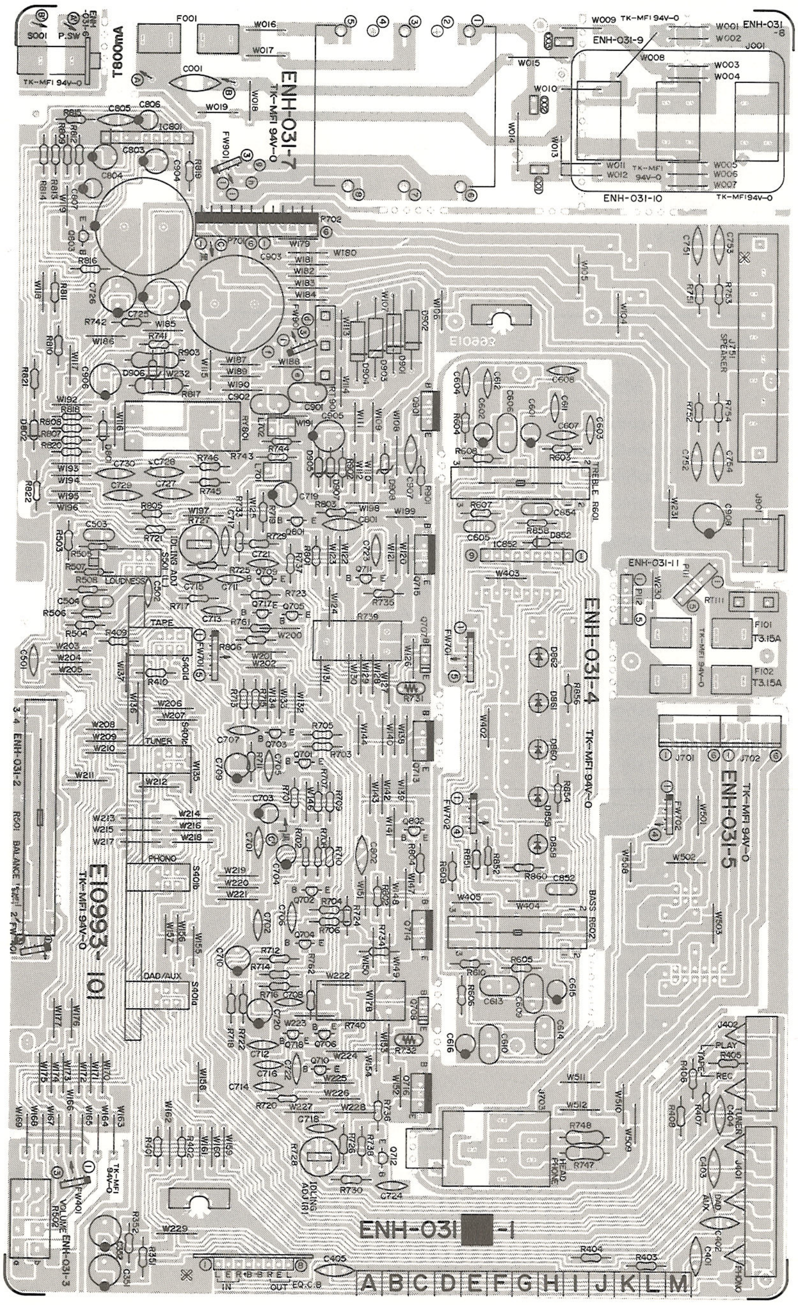
3. Printed Circuit Board Ass'y and Parts List

3-(1) ENH-031 □ Amplifier P.C. Board Ass'y
Note: ENH-031 □ varies according to the areas employed. See note (1) when placing an order.

Note (1)

Designated Areas	P.C. Board Ass'y
U.S.A. & Canada	ENH-031 B
Other countries, U.S. Military Market	ENH-031 C
Europe	ENH-031 D
Australia	ENH-031 E
U.K.	ENH-031 FBS
West Germany	ENH-031 G

Note (2)
The symbols (赤 , 黒 , 白 .....etc.) on P.C. Board surface are factory process only.



ENH-031-7
ENH-031-9
ENH-031-10
ENH-031-4
ENH-031-5
ENH-031-6
ENH-031-11
ENH-031-2
ENH-031-3
E10993-101
ENH-031■-I
TK-MFI 94V-0
T800mA
F101 T3.15A
F102 T3.15A
SPEAKER
TREBLE R601
BASS R602
BALANCE R501
LOUDNESS
TAPE
TUNER
PHONO
DAD/AUX
HEAD PHONE
PLAY
REC
IN
OUT
EQ.C.B
A B C D E F G H I J K L M

Fig. 2

3. Printed Circuit Board Ass'y and Parts List

3-(1) ENH-031 ☐ Amplifier P.C. Board Ass'y

Note: ENH-031 ☐ varies according to the areas employed. See note (1) when placing an order.

Note (1)

Designated Areas	P.C. Board Ass'y
U.S.A. & Canada	ENH-031 B
Other countries, U.S. Military Market	ENH-031 C
Europe	ENH-031 D
Australia	ENH-031 E
U.K.	ENH-031 FBS
West Germany	ENH-031 G

Note (2)

The symbols (赤 , 黒 , 白 .....etc.) on P.C. Board surface are factory process only.

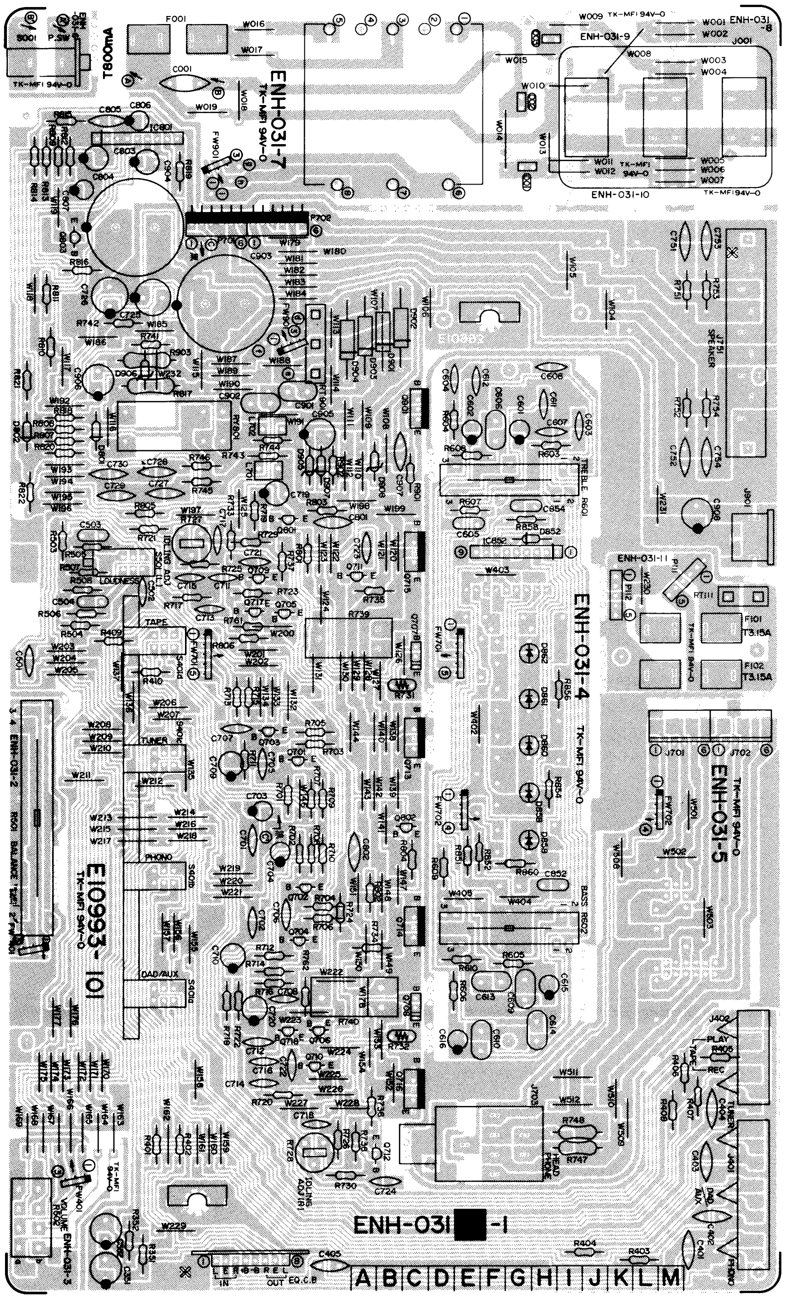

ENH-031-7
ENH-031-9
ENH-031-10
ENH-031-4
ENH-031-5
ENH-031-11
ENH-031-2
ENH-031-3
ENH-031 ■ -1
E10993-101
TK-MFI 94V-0
T800mA
F001
F101 T3.15A
F102 T3.15A
SPEAKER
TREBLE R601
BASS R602
BALANCE R501
VOLUME R502
LOUDNESS
TAPE
TUNER
PHONO
DAD/AUX
HEAD PHONE
IDLING ADJ
PLAY
REC
A B C D E F G H I J K L M

Fig. 2

Each Individual P.C. Board Location

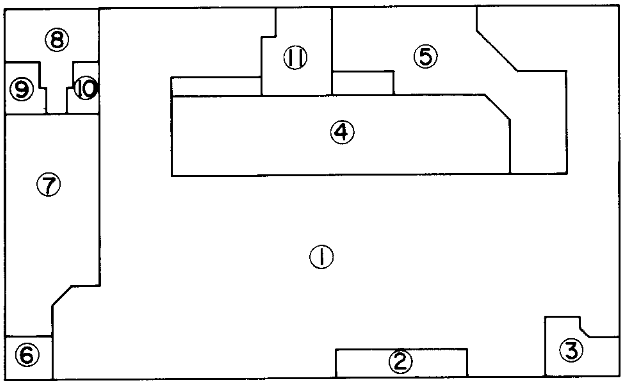


Fig. 3

① ENH-031-1 Main Amp P. C. Board Ass'y
② ENH-031-2 Balance Volume P. C. Board Ass'y
③ ENH-031-3 Main Volume P. C. Board Ass'y
④ ENH-031-4 Main Tone P. C. Board Ass'y
⑤ ENH-031-5 Headphone P. C. Board Ass'y
⑥ ENH-031-6 Power Switch P. C. Board Ass'y
⑦ ENH-031-7 Fuse P. C. Board Ass'y
⑧ ENH-031-8 AC Outlet P. C. Board Ass'y
⑨ ENH-031-9 AC Outlet P. C. Board Ass'y
⑩ ENH-031-10 AC Outlet P. C. Board Ass'y

The Marks for Designated Areas.

J..........	U.S.A.	P,PG.....	U.S. Military Market
C..........	Canada	ES........	Spain
E..........	Europe	BS........	U.K.
G..........	West Germany	U..........	Other Countries
A..........	Australia		

Transistors

Item No.	Part Number	Description		☐
			Maker	
Q701	2SC2240 (A, B)	Silicon	Toshiba	
Q702	2SC2240 (A, B)	Silicon	Toshiba	
Q703	2SC2240 (A, B)	Silicon	Toshiba	
Q704	2SC2240 (A, B)	Silicon	Toshiba	
Q705	2SA970 (BL)	Silicon	Toshiba	
Q705	2SA949 (Y)	Silicon	Toshiba	G
Q706	2SA970 (BL)	Silicon	Toshiba	
Q706	2SA949 (Y)	Silicon	Toshiba	G
Q707	2SD636 (Q, R)	Silicon	Matsushita	
Q708	2SD636 (Q, R)	Silicon	Matsushita	
Q709	2SC2235 (O, Y)	Silicon	Toshiba	
Q710	2SC2235 (O, Y)	Silicon	Toshiba	
Q711	2SA965 (O, Y)	Silicon	Toshiba	
Q712	2SA965 (O, Y)	Silicon	Toshiba	
Q713	2SD1407 (O, Y)	Silicon	Toshiba	
Q714	2SD1407 (O, Y)	Silicon	Toshiba	
Q715	2SB1016 (O, Y)	Silicon	Toshiba	
Q716	2SB1016 (O, Y)	Silicon	Toshiba	
Q801	2SC2240 (GR, BL)	Silicon	Toshiba	
Q802	2SC2240 (GR, BL)	Silicon	Toshiba	
Q803	2SA970 (GR, BL)	Silicon	Toshiba	
Q901	2SD1265A (O, P)	Silicon	Matsushita	

Diodes

Item No.	Part Number	Description		☐
			Maker	
D801	1S2473	Diode	Rohm	
D802	1S2473	Diode	Rohm	
D852	1S2473	Diode	Rohm	
D858	SLR-55MC50F	L.E.D.	Rohm	
D859	SLR-55MC50F	L.E.D.	Rohm	
D860	SLR-55MC50F	L.E.D.	Rohm	
D861	SLR-55MC50F	L.E.D.	Rohm	
D862	SLR-55MC50F	L.E.D.	Rohm	
D901 ⚠	S3V20F	Silicon	Shindengen	
D902 ⚠	S3V20F	Silicon	Shindengen	
D903 ⚠	S3V20F	Silicon	Shindengen	
D904 ⚠	S3V20F	Silicon	Shindengen	
D905	RD15EB3	Zener	NEC	
D906	RD15EB3	Zener	NEC	
D908	RD16EB3	Zener	NEC	

IC

Item No.	Part Number	Description		☐
			Maker	
IC801	TA7317P		Toshiba	
IC852	AN6875		Matsushita	

Coils

Item No.	Part Number	Description	☐
L701	EQL0001-R45	Inductor	
L701	EQL0001-R45	Inductor	

⚠ : Safety Parts
The column maked with ☐ indicates the area.
Parts without character in the column are used commonly regardless of delivery area.

Capacitors

Item No.	Part Number	Description	☐
C001 ⚠	QCZ9019-472	Ceramic	
C001 ⚠	QCZ9019-472BS	Ceramic	BS
C351	QET61CM-226Z	Electro 22μ 16V	
C351	QET61CM-107Z	Electro 100μ 16V	G
C352	QET61CM-226Z	Electro 22μ 16V	
C352	QET61CM-107Z	Electro 100μ 16V	G
C401	QCF31HP-103Z	Ceramic 0.01μ 50V	
C402	QCF31HP-103Z	Ceramic 0.01μ 50V	
C403	QCF31HP-103Z	Ceramic 0.01μ 50V	
C404	QCF31HP-103Z	Ceramic 0.01μ 50V	
C503	QFN31HK-273Z	Mylar 0.027μ 50V	
C504	QFN31HK-273Z	Mylar 0.027μ 50V	
C601	QEK61EM-106Z	Electro 10μ 25V	
C602	QEK61EM-106Z	Electro 10μ 25V	
C603	QCY31HK-332Z	Ceramic 3300P 50V	
C604	QCY31HK-332Z	Ceramic 3300P 50V	
C605	QFN31HK-183Z	Mylar 0.018μ 50V	
C606	QFN31HK-183Z	Mylar 0.018μ 50V	
C607	QCY31HK-221Z	Ceramic 220P 50V	
C608	QCY31HK-221Z	Ceramic 220P 50V	
C609	QFN31HK-153Z	Mylar 0.015μ 50V	
C610	QFN31HK-153Z	Mylar 0.015μ 50V	
C611	QCY31HK-122Z	Ceramic 1200P 50V	
C612	QCY31HK-122Z	Ceramic 1200P 50V	
C613	QFN31HK-823	Mylar 0.082μ 50V	
C614	QFN31HK-823	Mylar 0.082μ 50V	
C701	QCS31HJ-680Z	Ceramic 68P 50V	
C702	QCS31HJ-680Z	Ceramic 68P 50V	
C703	QET61HM-225Z	Electro 2.2μ 50V	
C704	QET61HM-225Z	Electro 2.2μ 50V	
C705	QCS31HJ-101Z	Ceramic 100P 50V	
C706	QCS31HJ-101Z	Ceramic 100P 50V	
C707	QCS31HJ-100Z	Ceramic 10P 50V	
C708	QCS31HJ-100Z	Ceramic 10P 50V	
C709	QET61AM-107Z	Electro 100μ 10V	
C710	QET61AM-107Z	Electro 100μ 10V	
C711	QCS31HJ-100Z	Ceramic 10P 50V	
C712	QCS31HJ-100Z	Ceramic 10P 50V	
C713	QCS31HJ-560Z	Ceramic 56P 50V	
C714	QCS31HJ-560Z	Ceramic 56P 50V	
C715	QCS31HJ-560Z	Ceramic 56P 50V	
C716	QCS31HJ-560Z	Ceramic 56P 50V	
C717	QCF31HP-103Z	Ceramic 0.01μ 50V	
C718	QCF31HP-103Z	Ceramic 0.01μ 50V	
C719	QET61HM-226Z	Electro 22μ 50V	
C720	QET61HM-226Z	Electro 22μ 50V	
C721	QCS31HJ-470Z	Ceramic 47P 50V	
C722	QCS31HJ-470Z	Ceramic 47P 50V	
C723	QCS31HJ-470Z	Ceramic 47P 50V	
C724	QCS31HJ-470Z	Ceramic 47P 50V	
C725	QET51HM-476H	Electro 47μ 50V	
C725	QET51HM-107H	Electro 100μ 50V	G
C726	QET51HM-476H	Electro 47μ 50V	
C726	QET51HM-107H	Electro 100μ 50V	G
C727	QCF31HP-473Z	Ceramic 0.047μ 50V	
C728	QCF31HP-473Z	Ceramic 0.047μ 50V	
C729	QCF31HP-473Z	Ceramic 0.047μ 50V	
C730	QCF31HP-473Z	Ceramic 0.047μ 50V	
C751	QCF31HP-103Z	Ceramic 0.01μ 50V	G
C752	QCF31HP-103Z	Ceramic 0.01μ 50V	G
C753	QCF31HP-103Z	Ceramic 0.01μ 50V	G
C754	QCF31HP-103Z	Ceramic 0.01μ 50V	G
C801	QCF31HP-103Z	Ceramic 0.01μ 50V	
C802	QCF31HP-103Z	Ceramic 0.01μ 50V	
C803	QET61HM-226Z	Electro 22μ 50V	
C804	QET61AM-476Z	Electro 47μ 10V	
C804	QET61AM-107Z	Electro 100μ 10V	G
C805	QET31HP-103Z	Ceramic 0.01μ 50V	G
C806	QET61CM-226Z	Electro 22μ 16V	
C807	QET61HM-105Z	Electro 1μ 50V	
C851	QFN31HK-823Z	Mylar 0.082μ 50V	
C854	QFN31HK-823Z	Mylar 0.082μ 50V	
C901	QFM32AK-103Z	Mylar 0.01μ 100V	
C901	QFM32AK-104Z	Mylar 0.1μ 100V	G
C902	QFM32AK-103Z	Mylar 0.01μ 100V	
C903	QEZ0072-338	Electro 3300μ 50V	
C904	QEZ0072-338	Electro 3300μ 50V	
C905	QET61EM-107Z	Electro 10μ 25V	
C905	QET61EM-107Z	Electro 100μ 25V	

Resistors

Item No.	Part Number	Description	☐
R351 ⚠	QRD141J-331S	Carbon 330 1/4W	
R351 ⚠	QRD145J-181S	UNF Carbon 180 1/4W	G
R352 ⚠	QRD141J-331S	Carbon 330 1/4W	
R352 ⚠	QRD145J-181S	UNF Carbon 180 1/4W	G
R401	QRD141J-471S	Carbon 470 1/4W	
R402	QRD141J-471S	Carbon 470 1/4W	
R403	QRD141J-471S	Carbon 470 1/4W	
R404	QRD141J-471S	Carbon 470 1/4W	
R405	QRD141J-105S	Carbon 1M 1/4W	
R406	QRD141J-105S	Carbon 1M 1/4W	
R407	QRD141J-105S	Carbon 1M 1/4W	G
R408	QRD141J-105S	Carbon 1M 1/4W	G
R409	QRD141J-472S	Carbon 4.7K 1/4W	
R410	QRD141J-472S	Carbon 4.7K 1/4W	
R501	QVZ5021-001	Variable	
R502	QVD8A7B-AF5VA	Variable	
R505	QRD141J-683S	Carbon 68K 1/4W	
R506	QRD141J-683S	Carbon 68K 1/4W	
R507	QRD141J-223S	Carbon 22K 1/4W	
R508	QRD141J-223S	Carbon 22K 1/4W	
R601	QVZ5309-002	Variable	
R602	QVZ5309-002	Variable	
R603	QRD141J-472S	Carbon 4.7 1/4W	
R604	QRD141J-472S	Carbon 4.7 1/4W	
R605	QRD141J-183S	Carbon 18k 1/4W	
R606	QRD141J-183S	Carbon 18k 1/4W	
R607	QRD141J-821S	Carbon 820 1/4W	
R608	QRD141J-821S	Carbon 820 1/4W	
R609	QRD141J-332S	Carbon 3.3K 1/4W	
R610	QRD141J-332S	Carbon 3.3K 1/4W	
R701	QRD141J-222S	Carbon 2.2K 1/4W	
R702	QRD141J-222S	Carbon 2.2K 1/4W	
R703	QRD141J-122S	Carbon 1.2K 1/4W	
R704	QRD141J-122S	Carbon 1.2K 1/4W	
R705	QRD141J-122S	Carbon 1.2K 1/4W	

⚠ : Safety Parts

The column maked with ☐ indicates the area.

Parts without character in the column are used commonly regardless of delivery area.

Item No.	Part Number	Description			□
R706	QRD141J-122S	Carbon	1.2K	1/4W	
R707	QRD141J-104S	Carbon	100K	1/4W	
R708	QRD141J-104S	Carbon	100K	1/4W	
R709	QRD141J-103S	Carbon	10K	1/4W	
R710	QRD141J-103S	Carbon	10K	1/4W	
R711	QRD141J-751S	Carbon	750	1/4W	
R712	QRD141J-751S	Carbon	750	1/4W	
R713	QRD141J-123S	Carbon	12K	1/4W	
R714	QRD141J-123S	Carbon	12K	1/4W	
R715	QRD141J-823S	Carbon	82K	1/4W	
R716	QRD141J-823S	Carbon	82K	1/4W	
R717	QRD141J-222S	Carbon	2.2K	1/4W	
R717 ⚠	QRD145J-152S	UNF Carbon	1.5K	1/4W	G
R718	QRD141J-222S	Carbon	2.2K	1/4W	
R718 ⚠	QRD145J-152S	UNF Carbon	1.5K	1/4W	G
R719	QRD141J-472S	Carbon	4.7K	1/4W	
R720	QRD141J-472S	Carbon	4.7K	1/4W	
R721	QRD141J-272S	Carbon	2.7K	1/4W	
R722	QRD141J-272S	Carbon	2.7K	1/4W	
R723 ⚠	QRD145J-330S	UNF Carbon	33	1/4W	
R724 ⚠	QRD145J-330S	UNF Carbon	33	1/4W	
R725	QRD141J-102S	Carbon	1K	1/4W	
R726	QRD141J-102S	Carbon	1K	1/4W	
R727	QVP4A0B-222	Variable			
R728	QVP4A0B-222	Variable			
R729	QRD141J-102S	Carbon	1K	1/4W	
R730	QRD141J-102S	Carbon	1K	1/4W	
R731	ERT-D2WFL202S	Thermistor			
R732	ERT-D2WFL202S	Thermistor			
R733 ⚠	QRD145J-100S	UNF Carbon	10	1/4W	
R734 ⚠	QRD145J-100S	UNF Carbon	10	1/4W	
R735 ⚠	QRD145J-100S	UNF Carbon	10	1/4W	
R736 ⚠	QRD145J-100S	UNF Carbon	10	1/4W	
R737 ⚠	QRD145J-271S	UNF Carbon	270	1/4W	
R738 ⚠	QRD145J-271S	UNF Carbon	270	1/4W	
R739 ⚠	ERF032K-R47	Cemment	0.47	3W	
R740 ⚠	ERF032K-R47	Cemment	0.47	3W	
R741 ⚠	QRD145J-470S	UNF Carbon	47	1/4W	
R742 ⚠	QRD145J-470S	UNF Carbon	47	1/4W	
R743 ⚠	QRD145J-330S	UNF Carbon	33	1/4W	G
R744 ⚠	QRD145J-330S	UNF Carbon	33	1/4W	G
R745 ⚠	QRD145J-100S	UNF Carbon	10	1/4W	
R746 ⚠	QRD145J-100S	UNF Carbon	10	1/4W	
R747 ⚠	QRD125J-221	UNF Carbon	220	1/2W	
R748 ⚠	QRD125J-221	UNF Carbon	220	1/2W	
R751 ⚠	QRD145J-100S	UNF Carbon	10	1/4W	G
R752 ⚠	QRD145J-100S	UNF Carbon	10	1/4W	G
R753 ⚠	QRD145J-100S	UNF Carbon	10	1/4W	G
R754 ⚠	QRD145J-100S	UNF Carbon	10	1/4W	G
R801	QRD141J-222S	Carbon	2.2K	1/4W	
R802	QRD141J-222S	Carbon	2.2K	1/4W	
R803	QRD141J-102S	Carbon	1K	1/4W	
R804	QRD141J-102S	Carbon	1K	1/4W	
R805	QRD141J-123S	Carbon	12K	1/4W	
R806	QRD141J-123S	Carbon	12K	1/4W	
R807	QRD141J-104S	Carbon	12K	1/4W	
R808	QRD141J-104S	Carbon	100K	1/4W	
R809	QRD141J-104S	Carbon	100	1/4W	
R810	QRD141J-103S	Carbon	10K	1/4W	
R811	QRD141J-332S	Carbon	3.3	1/4W	

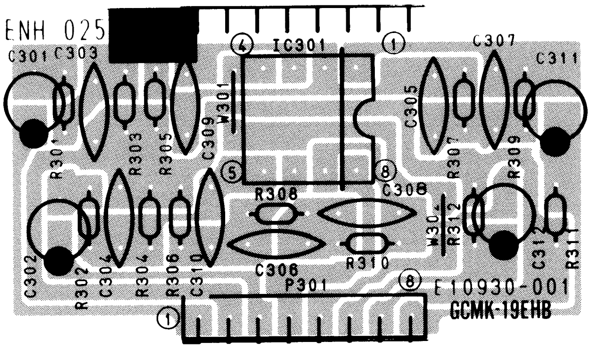
Item No.	Part Number	Description			□
R812	QRD141J-563S	Carbon	56K	1/4W	
R813	QRD141J-563S	Carbon	56K	1/4W	
R814	QRD141J-183S	Carbon	18K	1/4W	
R815	QRD141J-683S	Carbon	68K	1/4W	
R816	QRD141J-123S	Carbon	12K	1/4W	
R817 ⚠	QRG022J-471A	O.M. Film	470	2W	
R818	QRD141J-181S	Carbon	180	1/4W	J, C
R818	QRD141J-121S	Carbon	120	1/4W	
R819	QRD141J-224S	Carbon	220K	1/4W	
R820	QRD141J-123S	Carbon	12K	1/4W	
R821	QRD141J-223S	Carbon	22K	1/4W	
R851	QRD141J-472S	Carbon	4.7K	1/4W	
R852	QRD141J-472S	Carbon	4.7K	1/4W	
R854	QRD141J-105S	Carbon	1M	1/4W	
R856	QRD141J-332S	Carbon	82K	1/4W	
R858	QRD141J-823S	Carbon	3.3K	1/4W	
R860 ⚠	QRD145J-821S	UNF Carbon	820	1/4W	
R901 ⚠	QRD145J-180S	UNF Carbon	18	1/4W	J, C
R901 ⚠	QRZ0062-180	Fusible	18	1/4W	
R902	QRD141J-472S	Carbon	4.7K	1/4W	
R903 ⚠	QRG022J-152A	O.M. Film	1.5K	2W	

Others

Item No.	Part Number	Part Name	Description	□
	E10993-101	P.C. Board		
	E10993-101BS	P.C. Board		BS
J401	EMN00TV-602A	6P Pin Jack	PH. DAD. TU	
J402	EMN00TV-402A	4P Pin Jack	Tape	
J701	E04370-006B	6P Connector		
J702	E04370-006B	6P Connector		
J703	QMS6312-020	7P HP Jack		
J751	EMB90YV-401A	Speaker Terminal		
P701	QMV5004-006	6P Plug Ass'y		
P702	QMV5004-006	6P Plug Ass'y		
J751	EMB90YV-401A	Speaker Terminal		
P701	QMV5004-006	6P Plug Ass'y		
P702	QMV5004-006	6P Plug Ass'y		
	ENH-025A	Mojulie C.B. Ass'y		
	ENH-025E	Mojulie C.B. Ass'y		G
S001 ⚠	QSP1106-004	Power Switch		
S001 ⚠	QSP1106-004BS	Power Switch		BS
S401	QST94A2-E01	Push Switch		
S501	QST9101-E01	Push Switch	Loudness	
	E70859-001	Earth Plate		
	QXY123-010	Bus Wire		
	E03719-15.0	Forming Bus Wire		J,C
FW401	EWR33B-08SS	Flat Wire Ass'y		
FW701	EWR34B-20SS	Flat Wire Ass'y		
FW702	EWR34B-13SS	Flat Wire Ass'y		
FW901	EWR33B-25SS	Flat Wire Ass'y		
RY801	ESK5D24-216	Relay		
RT901	E67764-103	R. Terminal		P,G,U
	EMG7331-001	Fuse Clip		
	E65508-002	Tab		
⚠	QMC0637-004	3P AC Outlet		J,C

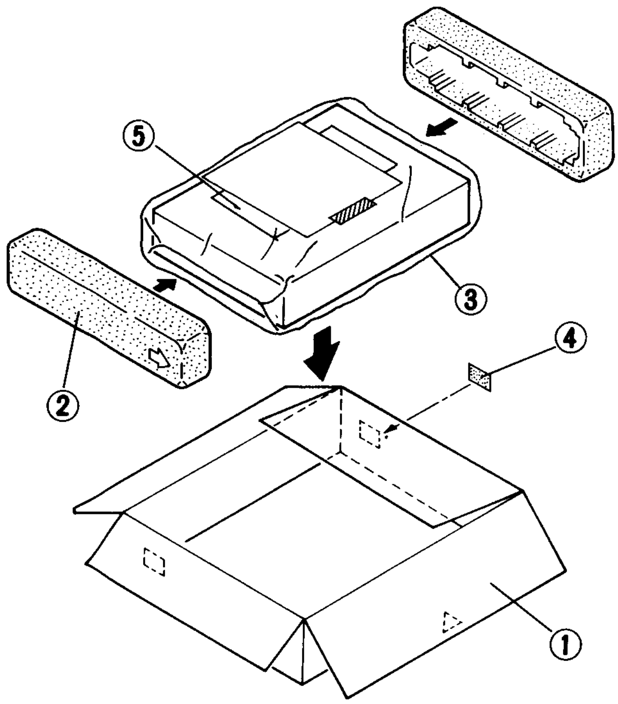
⚠ :Safety Parts
The column maked with □ indicates the area.
Parts without character in the column are used commonly regardless of delivery area.

3-(2) ENH-025 □ Mojulie P.C. Board Ass'y


ENH 025
C301
C303
④
IC301
①
C307
C311
W301
C309
C305
R301
R303
R305
R307
R309
⑤
⑧
R308
C308
W304
R312
C312
R311
C302
R302
C304
R304
R306
C310
C306
P301
R310
⑧
E10930-001
GCMK-19EHB
①

Item No.	Part Number	Description			□
			Maker		
IC301	NJM4558D	I,C	Dainichi		
C301	QEK61EM-475Z	Electro	4.7μ	25V	
C302	QEK61EM-475Z	Electro	4.7μ	25V	
C303	QCY31HK-101Z	Ceramic	100P	50V	
C303	QCY31HK-561Z	Ceramic	560P	50V	G
C304	QCY31HK-101Z	Ceramic	100P	50V	
C304	QCY31HK-561Z	Ceramic	560P	50V	G
C305	QCY31HK-182Z	Ceramic	1800P	50V	
C306	QCY31HK-182Z	Ceramic	1800P	50V	
C307	QCY31HK-682Z	Ceramic	6800P	50V	
C308	QCY31HK-682Z	Ceramic	6800P	50V	
C309	QCY31HK-101Z	Ceramic	100P	50V	
C310	QCY31HK-101Z	Ceramic	100P	50V	
C311	QEK61EM-475Z	Electro	4.7μ	25V	
C312	QEK61EM-475Z	Electro	4.7μ	25V	
R301	QRD161J-222	Carbon	2.2K	1/4W	
R302	QRD161J-222	Carbon	2.2K	1/4W	
R303	QRD161J-473	Carbon	47K	1/4W	
R304	QRD161J-473	Carbon	47K	1/4W	
R305	QRD161J-751	Carbon	450	1/4W	
R306	QRD161J-751	Carbon	750	1/4W	
R307	QRD161J-393	Carbon	39K	1/4W	
R308	QRD161J-393	Carbon	39K	1/4W	
R309	QRD161J-474	Carbon	470K	1/4W	
R310	QRD161J-474	Carbon	470K	1/4W	
R311	QRD161J-104	Carbon	100K	1/4W	
R312	QRD161J-104	Carbon	100K	1/4W	
	E10930-001	Circuit Board			
P301	EMV5101-008B	Plug Ass'y			

4. Packing Materials and Part Numbers



The Marks for Designated Areas

U	U.S.A.	P,PG	U.S.Military Market
C	Canada	ES	Spain
E	Europe	BS	U.K.
G	West Germany	U	Other Countries
A	Australia		

No.	Part Number	Part Name	Q'ty	Description	Area
1	PK-AK100E	Packing Case	1	(S), E300382-382	J, C, U, P, PG, E, A, G, BS
	PK-AK100ES	Packing Case	1	(S), E300382-383	ES
	PK-AK100BE	Packing Case	1	(B), E300382-385	J, C, U, P, PG, E, A, G, BS
	PK-AK100BES	Packing Case	1	(B), E300382-386	ES
2	NZ-AK100E	Packing Pad	1	E24778-001 (R)	
	NZ-AK100E	Packing Pad	1	E24778-002 (L)	
3	E68142-011	Protect Sheet	1		J, C, U, P, PG, E, A, G, ES
	E68142-011B	Protect Sheet	1		BS
4	E35246-004	Serial Label	2		E
	E35246-001	Serial Label	2		J, C, U, P, PG, A, BS, ES
	E35246-006	Serial Label	2		G
5	E35497-013	110V Caution Sheet	1		P
	E35497-015	220V Caution Sheet	1		U, PG

(S) and (B) in the Description column indicate silver and black versions.

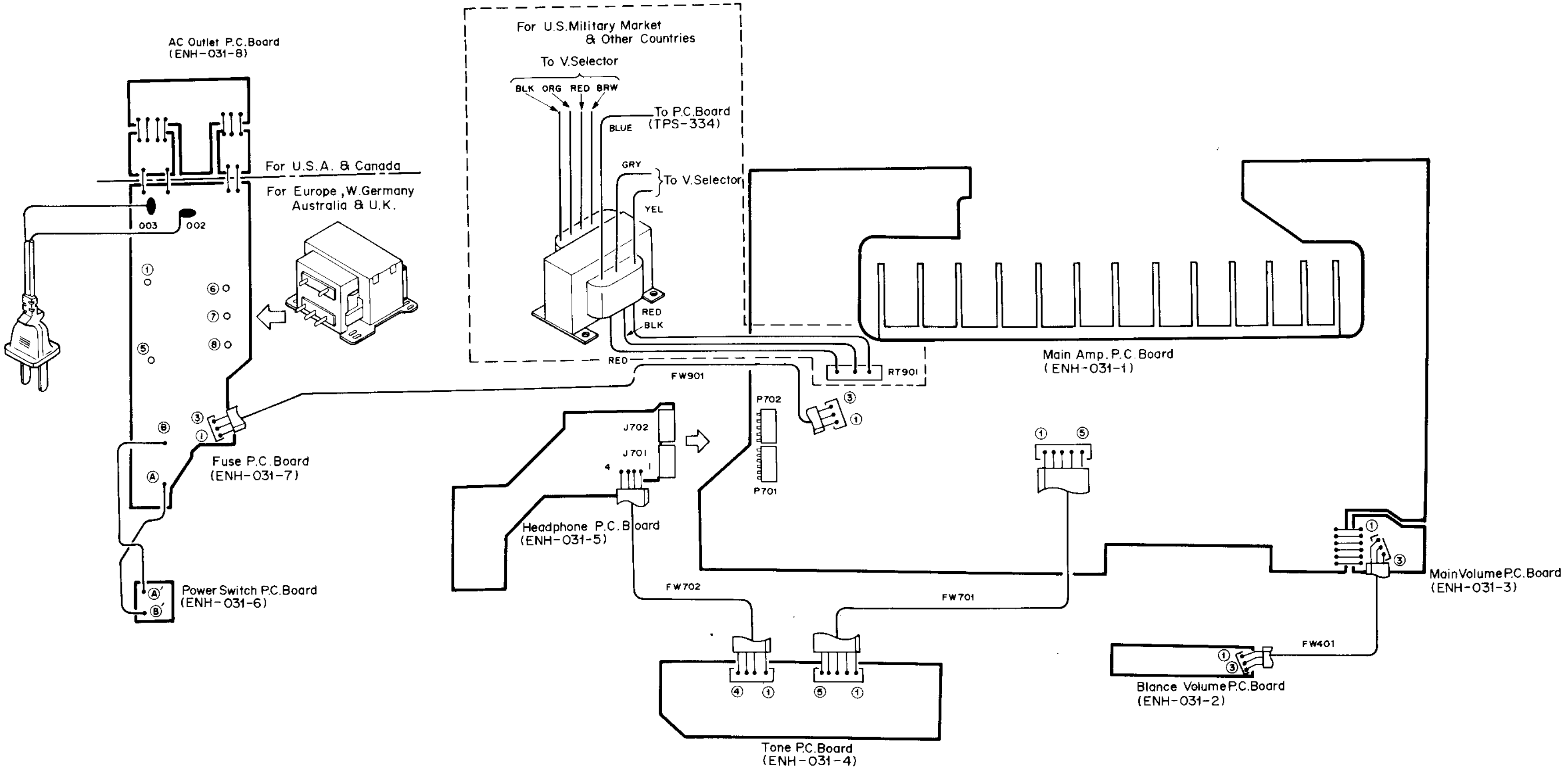
5. Accessories List

Part Name	Part Number	Area
Siemens Plug	E04056	U, P, PG
Warning Label	E60965-001BS	BS
Tie Band	E33754-001	BS
Instruction Book	E30580-1172A	J, C, U, P, PG, E, A, G, ES
Instruction Book	E30580-1172ABS	BS
Envelope (for Fuse)	E6581-4	U, P, PG
Envelope (for Instruction Book)	E41202-2	J, C, U, P, PG, E, A, G, ES
Envelope (for Instruction Book)	E41202-2B	BS
Envelope (for Warranty Card)	E66416-003	J
JVC Safety Instruction Sheet	BT20044D	J
JVC Service Information Card	BT20046B	J, P, G
Warranty Card	BT20048A	J, P, PG
Warranty Card	BT20025F	C
Service Center list	BT20071	C
Warranty Card	BT 20029C	A
F. T. Z. Information Card	BT 20054-006A	G
EEC Agency	BT20066	G, BS
Warranty Card	BT20060	BS
Fuse Lavel (1.6A)	E67142-T1R6	PG, U
Fuse Lavel (800mA)	E67142-TR80	P
Fuse Primary (1.6A, 250V)	QMF51A2-1R6L	PG, U
Fuse Primary (800A)	QMF51A2-R80L	P

The Marks for Designated Areas

U .... U.S.A.
C .... Canada
E .... Europe
G .... West Germany
A .... Australia
P,PG..... U.S.Military Market
ES........ Spain
BS........ U.K.
U...........Other Countries

7. Wiring Diagram


AC Outlet P.C.Board
(ENH-031-8)
For U.S.A. & Canada
For Europe ,W.Germany
Australia & U.K.
003
002
①
⑤
⑥
⑦
⑧
③
①
Ⓑ
Ⓐ
Fuse P.C.Board
(ENH-031-7)
Ⓐ'
Ⓑ'
Power Switch P.C.Board
(ENH-031-6)
For U.S.Military Market
& Other Countries
To V.Selector
BLK
ORG
RED
BRW
To P.C.Board
(TPS-334)
BLUE
GRY
To V.Selector
YEL
RED
BLK
RED
FW901
RT901
Main Amp. P.C. Board
(ENH-031-1)
P702
P701
③
①
J702
J701
4
1
Headphone P.C.Board
(ENH-031-5)
①
⑤
FW702
FW701
④
①
⑤
①
Tone P.C.Board
(ENH-031-4)
①
③
Main Volume P.C.Board
(ENH-031-3)
FW401
①
③
Blance Volume P.C.Board
(ENH-031-2)

JVC
VICTOR COMPANY OF JAPAN, LIMITED
STEREO DIVISION, YAMATO PLANT, 1644, SHIMOTSURUMA, YAMATO-SHI, KANAGAWA-KEN, 242, JAPAN

Printed in J
5902-G